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	CENTRAL INTELLIGENCE AGENCY	REPORT
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COUNTRY	Shot Germany/Russia	DATE DISTR. 8 September 1953
SUBJECT	The Development of the Torpedo Closed-Cycle Propulsion Motor in East Germany & Russia	NO. OF PAGES 4
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1.	At the end of World har II, the Torpedo Propulsion Dessau was required to continue the development of	Design Group at Junkers/
25X1	sion motor. Material and equipment, as well as peavailable by the Soviets. From Autumn 1945 until.	rsonnel, were made Autumn 19h5, work con- th to the Soviets and to
25X1	the Germans as MI-6 (Kreis Notoren-8). During thi reconstructed not only the propulsion units but al under the supervision of Soviet sivil and mayal enall of the technical data, drawings and calculation	s period, the dermans so the torpedo bodies gincers. In addition,
25X1	Soviet orders.	
2.	The Torpedo Propulsion Design Group, charged by the with the development of the closed-cycle propulsion as follows:	e Soviet occupation force in notor, was organized
	a. Design Office	
	Approximately 8 engineers	
	Approximately 10 designers	
	Approximately 15 draftsmen	
	b. Test Stand	
	Approximately 5 research engineers	
	Approximately 35 foremen, test stand mech personnel	nanics, and auxiliary

25X1

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			2 4			-
The	Soviet com	and of this	group at Junkers v	as as follows:		
8.	Commander .	frm Davido	₩.			
	,			·		
b.	Lt. Command	er (fmu) Iv	EBO V			1
]
C a	Engineer (f	mu) Potrov				7
d,	Engineer (1	ma) Christo				╛
		,			•	٦
						-
	The man 1 of 1	ānu) Korolka				
' a	enfimeer.	inu/ Norozne	,			7
	•					
tic	n of the cle	osed-cycle i	ese of examining an expede propulsion cars were present	cotor, a mude	r of higisar	_
	ae mere:	CHAVALE OIL	out the partition of	All and any of the house of the second of th		
8	Captain (f	va) Itrona	·			

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25X1

	the Caspian Sea where a Dessau works, had been	Id be going to Machatsch Kala (Main whole new plant and test plant 1) erected. This was later confirmed	, based on the in 1949
6.		gineers and specialists who worked	at the design
	office and test stand was a. Engineer Mika, Emil		
	b. Engineer Holler, Vi	lbelm.	
	c. Engineer Valerius,	Tingle.	
		The second secon	
7.	In addition, the follow	Ang foremen and mechanics were dep	over the country
, ,	a. Schraidt, Heinz	was not there are several and control	OZ FORGIO
	b. Schleicher, Karl		•
	e. Grube, Marl		
	d. Pfanuschmidt, Alván		

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	The Soviets sent everything in the Porpedo and Trophiston resign of the to the USSR including not only the technical data, drawings, test equipment and test stands, but also the familiary. Tight find resident sailing pipes	
	as well. In addition, the six or seven completed tompedoes and closed- cycle propulsion notors, built and assembled by the proup under Soviet orders and supervision. Tere shipped to the UTF	25X1
	air frame group and the Lagine Design group were told that were going to Moscow and Kurbyshev, respectively.	25X1
io.	The closed-cycle propulsion notor was not completely deceloped at the time the group was transferred to the USE. Although were due to the taker run tests had been made on the torpedo and propulsion motor, the letter was not functioning properly. The chief diffic highlighest a the Aldaling system (Regelsystem), there of a measurement to be atmospheres before introduction into the reconstruction was accorded to be atmospheres before introduction of the reconstruction of the motor after the motor ran for a half second on air following laurenia; 2/ Bed Inetioning of the motor sometimes occurred in this step.	25X1
11.	been able to complete successfully the development of the closed-code toppedo probalsion actor prior to 1921, for the reason that multiper the Germans nor the Sevieta ways technically coallified to everyone the problems already indicated (see earn) and 1920, fractions, course had been approached touce to assist in this most. In 1970, fractions engineer	25
		25)
12. (1	The use of liquid oxygen in the diesed-equile uncoalising meter had now considered at Junkers, and a fear builty at dy was said for it orbit our for the study led to no further development. Hid not no weekers too Soviets were interested in the ass of liquid oxygen, and the liquid oxygen, and the liquid oxygen, and the liquid oxygen.	25)
1 3. (1	Home of the derman group indich went to the did was now to be able to the use of hydrogen percente raish had not been considered for now in thus propulsion motor either by the Germans on the Poulets at lessen.	

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